

- 9 -

WE CLAIM:

1. A sealing interface for use with delivery of respiratory gases to a user comprising:
an inner sealing member,
5 an outer sealing member,

wherein said inner sealing member and said outer sealing member are adapted to seal around the facial contours of said user thereby providing a sealed fluid communication to the respiratory tract of said user, and said inner and outer sealing members are at least continuously in contact with each other around the facial contour contacting portions
10 respectively.

2. A sealing interface according to claim 1 wherein said inner sealing member has a cut out region in the nasal bridge region.

3. A sealing interface according to any one of claims 1 or 2 wherein said inner sealing member has a cut out region in the cheek region.

- 15 4. A sealing interface according to any one of claims 1 to 3 wherein said inner sealing member has a cut out region in the upper lip region.

5. A sealing interface according to any one of claims 1 to 4 wherein said inner sealing member and said outer sealing member are continuously in contact both in use and when not in use around the facial contour contacting region.

- 20 6. A sealing interface according to any one of claims 1 to 5 wherein said inner sealing member and said outer sealing member are continuously in contact all around said inner sealing member.

7. A sealing interface according to any one of claims 1 to 5 wherein said inner sealing member includes a cheek region of said facial contour contacting region wherein said cheek
25 region is concaved to accommodate the cartilages extending away from the middle of the nose of a user.

8. A sealing interface according to any one of claims 1 to 6 wherein said facial contour contacting portion comprises a nasal bridge region whereby said nasal bridge region is tapered away from said user with respect to the remainder of said facial contour contacting portion.

- 30 9. A sealing interface according to claim 8 wherein said nasal bridge region comprises an inner region, a middle region and an outer region whereby in use said inner region is most proximate said user.

– 10 –

10. A sealing interface according to claim 9 wherein said inner region, said middle region and said outer region comprise dead space.

11. A sealing interface according to claim 9 wherein said inner region comprises a flexible resilient member and said middle region and said outer region comprise dead space.

5 12. A sealing interface according to claim 9 wherein said inner region and said outer region comprise a resilient deformable material and said middle region comprises dead space.

13. A sealing interface according to any one of claims 1 to 12 wherein said inner sealing member is adapted to follow said concave portion in said cheek region.

10 14. A sealing interface according to any one of claims 1 to 12 wherein said inner sealing member is adapted to contact said cheek region only when in use.

15. A patient interface for delivering respiratory gases to a user including a sealing interface according to any one of claims 1 to 14.

16. A sealing interface as herein described with reference to the accompanying drawings.

17. A patient interface as herein described with reference to the accompanying drawings.